

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB



An ARRL Special Service Club

February 1992

Next Meeting February 12, 1992

From The Presidents Desk

By Alan Churchill, AA7CV

It's official. The Beaverton Elks is a hit! We had over 100 members attend our January meeting and that may be an all time high. Additionally, 10 new members signed up. Does this mean we have to start looking for larger quarters already???

Your new board of directors grabbed the reins of responsibility in double quick fashion. The transferring of documents, notes, money, diskettes and keys took place at the first board meeting of the year. Since we have three returning board members, there was stability and confidence in the whole process. A great big thank you goes out to all the past board members for years of hard work.

Since I have been on 2M, I have run into 3 members who cannot attend club meetings due to health reasons. They expressed the desire to be active in the club but just couldn't attend meetings. What to do? We put our heads together and came up with OTVARC OTA. See the article in this issue regarding this potential new activity.

The Beaverton Elks turned out to be very popular. I arrived early (5:30 or so) only to find 20 or so members already in attendance. The dinner was very good and less than \$5. Attendance was over 100 people so it looks like OTVARC is on a roll. By the way, our OTVARC meetings are NON SMOKING but the room adjacent (the bar) is a smoking area so if you don't like smoke, stay in the meeting room. If you do enjoy a smoke, you are only steps away but please refrain from smoking in the meeting room itself.

On a personal note, thanks very much to all of you who took the time to "put an arm on my shoulder" and express your sympathy at the loss of my Dad. Mom even got a letter from a friend in Sequim, WA who had received a note from a ham who had heard about it from the newsletter. It is indeed a small world and a pretty great one too with friends line you around.

73, Alan Churchill AA7CV

Upcomming Events

BOARD MEETING: The next board meeting will be on Feb 5, 1992, 7PM at Gene Buell's place. The address is 143rd & SW Jenkins. Look for the meeting room or call Gene for directions. We have met there before. If you like coffee, bring your own. The service is lousy. All board meetings are open to all members.

SALEM HAMFAIR & SWAP MEET: No sooner is one over than the next one begins. Mark your calendars now for Saturday, Feb 15, 1992 for bargains galore and lots of eyeballing. We will have the orange bulletins up front at the meeting for those that need a map. It is held at the Polk County Fairgrounds west of Salem where Hwy 22 meets 99W. Talkin on 146.86 (-600). Doors open at 9AM. Icom America and Amateur Radio Supply have donated an IC-725 as the grand prize and all the swap tables have been sold out so get there early. You snooze, you loose!

SEA-PAC UPDATE: We're in high gear now. Since OTVARC is doing the security this year we need to know at what times you would like to help with your handheld. It is safe to say that every member of our club who has a handheld can take on one or two of the "door duty" shifts. For each 1-1/2 hour session you will get one chance at a nifty handheld of your own. (Your old one is getting kind of tired isn't it?) Contact Randy KZ7T to get the best timeslot. All the "good times" will go to those who sign up first. By the way, SEA-PAC is June 12, 13 & 14 this year.

February Program

"Everything after the Coax"
Larson Antennas

Remember:
We're back at the Elks!

Classified Ads

WANTED: Service manual for S108 receiver. Circa 1960 Contact Will Sheffield N7THL at 642-7314.

WANTED: A good & cheap 220 rig. Can be handheld or mobile. Call Jim Schaeffer KB7ADH at 245-2518. The key word here is "cheap".

WANTED: A good & reasonably priced 2M mobile rig for packet use. Contact Jim Washer KG7HH at 690-6703.

FOR SALE: A good, nearly new 11 element 2M beam. Contact Ray Deeth K7VDQ at 324-4502.

FOR SALE: Nowhere is an item you won't see often in this newsletter. George, KD7GJ, has a first class 26 foot Dodge 440 Executive motor home for sale. It is a 1975 model and George has been improving it ever since. Original cost was over \$65,000 and George is letting it go for a whole bunch under \$20,000. They are now over \$100,000 if you want one similarly equipped. It is fully wired and fused for VHF and HF rigs and has a 5KW generator. You can work DX while your spouse does the driving.

FREE FREE FREE: There is a nearly complete QST library available for the years 1934 through the present. Yours for the hauling. Contact Floyd W7KLE at 628-1169. By the way, Floyd was telling me about two other things he has that he may be willing to sell. First is an old Capehart 78 RPM record changer/player. It can change up to 50 records at a time and is in a nice looking furniture cabinet. He also has a tribander on a 40' tower that he may let go to the right person.

WANTED: A good used TNC or Multimode for packet. I finally found a good Radio Shack 102 at the PARC swap meet to go with my 2M rig I got from Roland (I know the manual is here somewhere) West K7MCK. The only thing I need now is the part in the middle. If you have one, call Alan Churchill AA7CV at 639-5660.

MISSING: I brought the OTVARC Scrap Book to the November Meeting at the Valley Conference center and forgot to pick it up. I called the center and they don't have it. Someone was nice enough to pick it up. The person that picked it up please call me and I will get it. We have some additional pictures to put in the book. Randy, KZ7T, 297-1175.

A Proposal For OTVARC On The Air

By Alan Churchill, AA7CV

Our club has been active for over ten years now. During this time we have grown in numbers as well as interests. With ten new members joining at the January meeting, our membership now numbers over 230.

Over 100 attended the January meeting in person and that is exciting but as our membership grows, there will be more & more people who cannot attend meetings. Some can't drive, some can't get around, some are out of town. Some just attend too many meetings already but still want to know what is going on at OTVARC and want to join in. Thus, OTVARC ON THE AIR.

Here is the concept. It would be nice for members to have one place to hear what happened at the last meeting. Wes Allen has offered the time slot of 7PM to 7:30 on 146.90 on the third Wednesday of the month.

The first Wednesday of each month at 7PM is the board meeting. The second Wednesday at 7PM is the club meeting. Now we have the third Wednesday for OTVARC ON THE AIR (OTVARC OTA).

The procedure for OTVARC OTA would be pretty much a "broadcast" rather than a "net". That is, we would make the same announcements that were made at the meeting, give a review of the program, outline the program for next month, have quick reports from the standing committees and ask for help where we need it.

We would be done by 7:30PM because that is the time the ARES net starts on 147.32 and many of us want to go there to check in. Of course you may stay on frequency to contact friends you have been looking for or to just "read the mail".

Now the big question. Is this legal? Is this "broadcasting" as defined by the FCC? We sure aren't going to start this process if doing so would put any of us in danger of receiving a letter from the government.

If any of you have info on the details of this big question, give any of the board members a call. If this is legal it sure could be a great service. Let any of the board members know what you think.

OTVARC Happenings

DUES UPDATE:

Dues for our club are \$12 for the first year and \$10 thereafter. Family memberships are available. If you are unsure if you paid the correct amount, call Carl Clawson WS7L to discuss. Thanks to everyone for getting their dues in on time.

PARC SWAP MEET:

The PARC swap meet last month was a great success. Although the times were advertised as 8 - 2:30, it was all over by 11AM. The tables were full of great bargains and it seemed that most of the 500 people who attended walked out with something. Thanks PARC and especially John Klein KA7ICV for a really worthwhile event.

NON SMOKING MEETING:

For those of you who like a smokeless environment when you attend a ham club meeting, OTVARC is the place for you. Although we neglected to get the ashtrays off the tables at the January meeting, rest assured that our meetings are a non smoking event. Thanks to all of you who "reminded" the board members of this.

NEWS LETTER EDITOR POSITION NOW OPEN:

Have you always wanted to be a newspaper editor? Well, now's your chance. The job takes about 4 hours per month, allows you to meet many hams and really is fun. You can do with the newsletter whatever you want. It's your baby. If someone comes up to you and says "I didn't like what you said in the last issue", you can say "On good, I have a new correspondent. May I put you down as a regular news provider?" You also have two other great guys doing all the "hard" work for you.

Jeff Durr, KA7AKU, does all the pasteup and Al Berg WB7SIC does all the printing and mailing. All you have to do as editor is collect information and write "fill-in" articles. Contact Alan Churchill, AA7CV, or any other board member to express your interest. Alternatively, If we notice you breathing at the next meeting, we will assume you are interested and will contact you soon. Thanks.

MEALS AT THE ELKS:

Do you come early to the meetings? If you do, you can get a really good meal for under \$6. You may eat right in the meeting room (non smoking) or out in the bar area (smoking). If you do enjoy a meal, remember that the gratuity to the waitress is not included. They do bring us water and other drinks so maybe some spare change should find its way into one of the baskets passed around for the purpose.

MEMBER BADGES:

Most of us wear OTVARC badges at the meetings. To get yours, see Paul Schaff WB7BBG at the meeting. Bring \$4 and we will all know who you are from now on.

**Remember: The OTVARC Club
2 Meter Repeater
is on 146.90 (-600)**

OTVARC Club Calendar

February 5	OTVARC Board Meeting	Gene Buell's House (Meeting Room), 7:00 P.M. N.W. 143rd & Walker Road
February 15	Salem Hamfair & Swap Meet	Polk County Fairgrounds Doors open 9:00 A.M.
February 12	OTVARC General Meeting	Beaverton Elks Club, 7:00 P.M.
March 4	OTVARC Board Meeting	
March 11	OTVARC General Meeting	Beaverton Elks Club, 7:00 P.M.
June 12, 13, 14	Sea-Pac Ham Convention	Seaside, Oregon

Your event listed here - Call Jeff Durr, KA7AKU, at 645-3205

Public Service for 1992

By Randy, KZ7T

I will try and list most of the Public Service events that the OTVARC members are involved in. I will show the person or organization that is heading it up. Other clubs that do public service events and are short of people usually call me for help.

There are other events that we are unaware of such as the Canoe Trek, Biathlon, and others. I know that Jim, KB7ADH, works other short events on Sunday and he will need help. We have enough people for a lot of the events listed below but not all of them. If you are interested in helping please get in touch with me.

I would like to keep track of all your time and mileage this year. If I am not involved in the event I would appreciate if you would let me know the information.

May 9	Reach the Beach	Contact Randy, KZ7T
May 16,17	Scout Camporee	Contact Randy, KZ7T
June 5	Starlight Parade (Hoodview ARC)	Contact Randy, KZ7T
June 6	Rose Parade (Hoodview ARC)	Contact Randy, KZ7T
June 20 21	To Hel'en and Back	Contact Randy, KZ7T
June 27,28	Trask Motor Cycle Trials	Contact Wes, K7WWG
June 28	Cascade Run Off	Contact Curley, WA7TIC
July 11,12	Oregon Games	Contact Ray, K7VDQ
Aug. 8	MS-150	Contact Randy, KZ7T
Aug. 14 to 16	Oregon Trail Bike Trek	Contact Lynn, WB7UNU
Sept. 5,6	Art Quake	Contact Roger, W7ADV
Sept. 12 to 20	Cycle Oregon	Contact Randy, KZ7T
Sept. 13	Beaverton Parade	Contact Rick, KA5OLH
Sept. 27	Portland Marathon (Portland ARC)	Contact Randy, KZ7T
Nov. 27	Santa Claus Parade	Contact Jim, KB7ADH

The Investment Aspects Of Amateur Radio

By Alan Churchill, AA7CV

Many of us who love ham radio have experienced difficulty explaining our "investment strategies" to our non ham friends and family. For those of you who need some help with this complex and multifaceted topic, here are a few tips I have picked up from other hams over the years.

Ham radio equipment, meetings, labor and parts can be broken into several definitions so as to make the analysis easier. Since most of us have a limited amount of investment capital available and since most of us want to maximize the return on our invested capital, here are some definitions to use in your analysis.

INITIAL INVESTMENT (or EARNEST MONEY): Most investments have some amount of money that must be put down to get started. Its purpose is to demonstrate your true level of interest. In ham radio, this amount is \$5.95 which is for the Novice test manual. This is the total amount of initial investment required and no further initial investments will ever be required.

FIXED INVESTMENT: Unlike other investments, only 20% of the total amount of money spent on ham radio is really "invested capital". How can this be? This is because 80% of the money spent on ham radio belong in the Educational category.

EDUCATIONAL ENHANCEMENT: 80% of the money spent on ham radio gear, computers, manuals, classes, antennas, feedline and all other radio products belong in this category. This is because as we go through life, we are constantly learning, learning, learning. Many people spend tens of thousands of dollars on a college education and leave school with just a few books that will never be opened again. Ham radio gives you more in that the education comes with lots of things to play with afterward.

DEPRECIATION: All ham gear has a very long life because we can all remember "way back when". This means that a person who gets started at age 10 will have a 70 year depreciation (assuming he lives to age 80). To calculate your depreciation, take the total amount of your investment and divide it by 70.

INVESTMENT RECAPTURE: This is the amount of money you collect from selling ham gear at swap meets or to friends. 100% of this money should be applied to the Fixed Investment because the educational component is obviously fully used up.

Now lets work out an example so we can accurately calculate the "true cost" of being involved in ham radio. This example will assume an initial investment of zero because the manual was borrowed. The ham spent a total of \$10,000 to build the station. He also sold \$4,000 of ham gear over the years. The net cost then is \$10,000 less the \$4,000 of Recaptured Investment leaving a net of \$6,000. Of this amount, \$4,800 is Educational so it can't be considered as a "cost".

So, our actual investment in ham radio is really \$6,000 times 20% = \$1,200. We divide this amount by 70 years of active use and this gives us \$17.14 per year of Fixed Investment. This gives us a monthly total amount of under \$1.50.

Now you know why we don't smoke at our club meetings. We all gave up one pack a month to be able to afford our hobby.

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Upcoming Ham Test Sessions

By Alan, KO7B

<u>Date</u>	<u>Registration</u>	<u>Doors Close</u>	<u>Location</u>	<u>Contact</u>	<u>Phone</u>
February 1	9:30 A.M.	10:00 A.M.	Mt. Hood C.C., Room 1001 26000 S.E. Stark	Buck Summers WT7S	760-7545
February 4	6:30 P.M.	7:00 P.M.	Novice / Technician Only George Fox College Newberg, Oregon	Charlie KG7JR	538-7109
March 14	12:30 P.M.	1:00 P.M.	(To Be Determined)	Lea Ball AL7W	777-1032
April 12	12:30 P.M.	1:30 P.M.	Portland Adventist Medical Center Educational Center A 10123 S.E. Market	Edith Litvin KA7MIF	642-5803

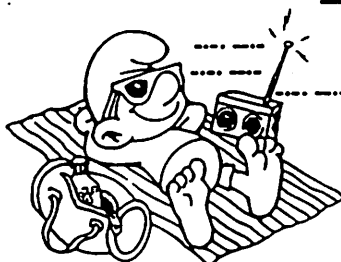
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For Exhibitor And Registration Information:

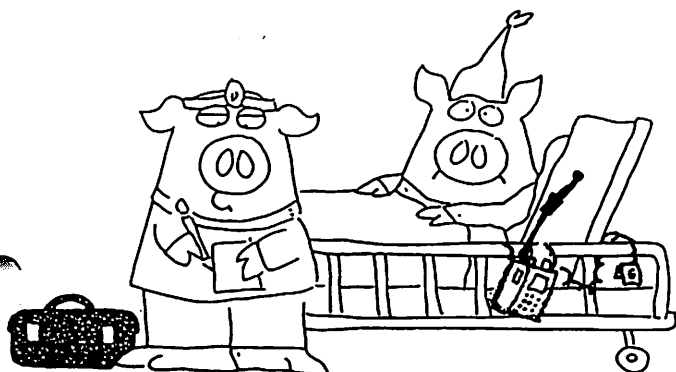
**Exhibitors Call:
Al Berg, WB7SIC
503-640-5456**

**SEA PAC Ham Convention
P.O. Box 219142
Portland, OR 97225-9142**

**Packet To KZ7T
VIA
WA7GFP Mbx.**

The ad above was in QST and will appear again in the March issue.
Listed below are confirmed exhibitors as of Feb 3. More coming!!

*Mr. Nicad RF Parts NCG Ham Radio Bookstore Alinco MFJ
C-COMM Falcon St Helens Electronics SGC Inc. Cushcraft
Startex Ameritron Yaesu Hustler Multi-Band Antennas QCWA
Kenwood Curleys Engraving OEM Services Hats For Hams AEA
Ham Radio Outlet Standard Radio Ramsey DC Power ICOM
Portland Radio Ham Pro Antennas Amateur Radio Supply Reno Radio



"WE'LL HAVE YOU CURED IN NO TIME."

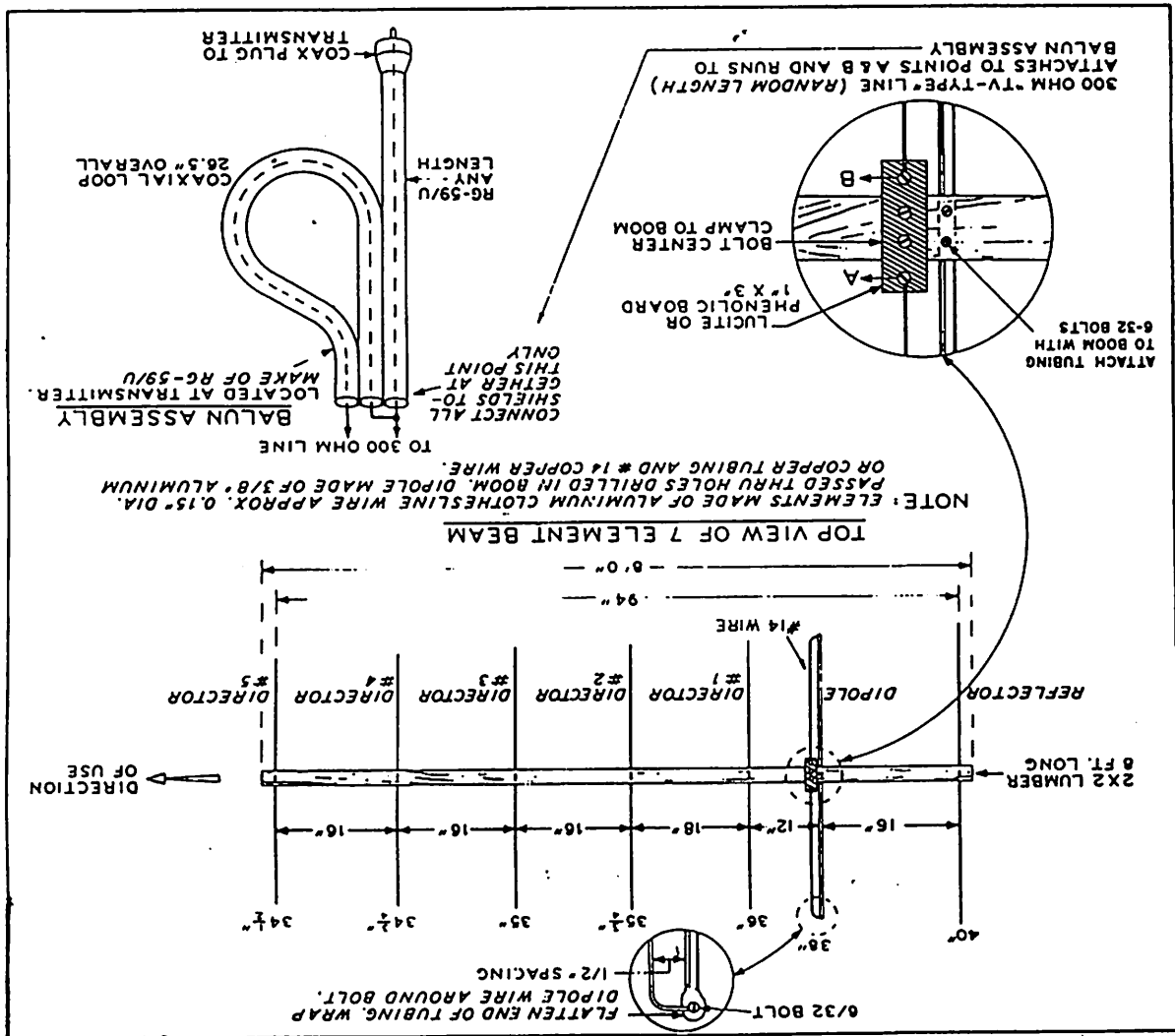
FEB: RV OUTING: We will be at the Woodburn RV Park and taking in the Rickreall Ham Fest. Stop by on your way home for a toddy or better yet, join us at 5:30 for a great pot-luck dinner. You won't be sorry! GREAT food and good company are a hard combo to beat. If you have an RV why not join us for the weekend?

(plan courtesy WIRE ANTENNAS) Al Berg WB7SIC

point, get a U-bolt and mount it on what you can. It works! that the boom is wood and can soak up water. Find the balance not noticed any difference in performance, rain or shine, in sturdy steel wire which is used in chain link fences. I have the plan was in the element material used. I found some The RX on both ends was the SAME. The only deviation from driveway and was compared to my 11 element Cushcraft at 40'. Beaverton. The homebrew antenna was on a 10' pole above my to build. It was tested, on simplex, from Hillsboro to weather conditions and the best part is it costs under \$20 hawk Lake. It has held up perfectly under some very severe have had it up for several years at my campsite near Fish- This antenna has worked out very well for me and in fact I one-half inch.

For operation over 146 to 148 MHz, all element lengths should be reduced by gain over dipole. Beam may be mounted either horizontally or vertically depending upon polarization desired. Dimensions shown are for 144 to 146 MHz.

Fig. 5 SEVEN ELEMENT YAGI BEAM for 2 meter band provides 11 decibel power



1992 OTVARC April Fool's SSB Contest Rules

DATE and TIME: Thursday, April 9, 1992 from 8:00 P.M. to 9:00 P.M.

FREQUENCY: 28.3 Mhz to 28.5 Mhz (10 Meter Novice / Technician Plus SSB sub-band.

OBJECTIVE: is to work as many stations as possible during the contest period and in so doing promote the spirit of friendly competition and sportsmanship, to improve our proficiency in making SSB contacts and to give participants a chance to meet fellow club members and others in the amateur community. Contacts may be used toward the Worked All OTVARC Award. *New and inexperienced Operators are especially invited to participate.* It will be fun!

EXCHANGE: Call sign, name and city or QTH. (Example: KA7UFG/T, Pat, Aloha)

SCORING: All contacts with novice stations (signing /N "stroke N") or technician plus stations (signing /T "stroke T") count as two points each. All other contacts count as one point. Each different call sign prefix (example: W7, K7, KA7, KB7, WN7, NB7, ZL1, etc) counts as a multiplier.

For example, during the contest you work five novice / technician plus stations and fifteen others. Further, you compile ten different call sign prefixes. Your total claimed score would be 250 points, calculated as follows:

5 contacts X 2 points per contact	= 10 points
15 contacts X 1 point per contact	= 15 points
	= 25 QSO points

times 10 call sign prefixes	= 250 points

LOGS: Use the log of your choice. Logs are due postmarked no later than Wednesday, May 12, 1992. Send logs to:

OTVARC
P.O. Box 5132
Aloha, OR 97006

Logs may be submitted at the May club meeting. To count, your log must show your call, name, exchange, and claimed score.

The contest committee will be sole judge in the interpretation of any rules or disputes in this contest.

PRIZES: The first place winner with the highest claimed score will receive a special plaque, to be presented at the June club meeting. All participants will receive recognition in the club newsletter.

COMMENTS: Your comments are always welcome. Please direct them to the Contest Committee.

OTVARC APRIL FOOL'S CONTEST

April 9, 1992, 8:00 P.M. to 9:00 P.M.

Operator(s) Name: _____

Call: _____

Score: _____

[illegible][illegible]

The **OTVARC NEWSLETTER** is published monthly by the Oregon Tualatin Valley Amateur Radio Club, Inc.

The opinions, views and recommendations of its contributors are not necessarily those of the Club, its officers, advertisers or the Editorial Staff.

Articles or letters may be submitted to:

Alan Churchill, AA7CV, Editor
14145 SW 98 Court
Tigard, Oregon 97224

Deadline for all material is the 20th of the preceding month.

All correspondence other than for this newsletter should be sent to:

Oregon Tualatin Valley Amateur Radio Club
Post Office Box 5132
Aloha, Oregon 97006-0132.

Meetings are held on the second Wednesday of each month.

Advertising Policy

Advertising space is available in this newsletter. This newsletter reaches nearly 250 hams in the Portland area each month and is a good investment of your advertising dollars. The present rates are:

Full Page	8" X 10"	\$40 / Month or \$400 / Year
Half Page	8" X 5"	\$25 / Month or \$250 / Year
Quarter Page	4" X 5"	\$15 / Month or \$150 / Year
Business Card	2" X 3"	\$7 / Month or \$70 / Year

Classified ads are no charge to members. To place a display or classified ad, contact the editor.

ABOUT OTVARC

Membership is open to any living human who has an interest in radio. We have two meetings per month - a board meeting (first Wednesday) at which club business is transacted and a club meeting (second Wednesday) which is mostly social and educational.

The purpose and intent of OTVARC is to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service. Additionally, the intent is to promote the advancement of Amateur Radio Service through the following five objectives:

1. Education & training of new and licensed amateurs.
2. Public Service during public events & community activities.
3. Emergency Communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets and contests.
5. Social contact with other amateurs & interested persons.

TYPES OF MEMBERSHIP:

1. Full, licensed hams, \$10/yr. All privileges.
2. Associate, non hams, \$10/yr. No vote, no elective offices.
3. Family, \$5/yr. Spouses, dependents residing with full member. Same privileges as full members.
4. Life. See treasurer for details. In addition to the dues, there is a one time only initiation fee of \$2.00.

SPECIAL SERVICE CLUB:

OTVARC is an ARRL Special Service Club. This means (among other things) that the club benefits from you joining the ARRL through our club. To join or renew the ARRL, contact the treasurer at any regular meeting.

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

Executive Board

Feel free to contact the Board of OTVARC to answer any questions you may have.

<u>President:</u>	Alan Churchill	AA7CV	639-5660
<u>Vice Pres:</u>	Gene Buell	KA7KBH	646-7991
<u>Secretary:</u>	Bradley Beach	N7NVC	645-5232
<u>Treasurer:</u>	Carl Clawson	WS7L	629-5796
<u>Trustee:</u>	Susan Benson	N7EPE	640-1989
<u>Trustee:</u>	Al Berg	WB7SIC	640-5456
<u>Trustee:</u>	Pat Griffiths	KA7UFG	649-0837
<u>Trustee:</u>	Jim Schaeffer	KB7ADH	245-2518
<u>Trustee:</u>	Alan Roehl	KO7B	292-5243

Other Club Contacts

<u>Bingo Night</u>	Ray Deeth	K7VDQ	324-4502
<u>Contesting</u>	John Koenig	NB7W	641-3575
<u>DX News</u>	Ken Gilbert	WR7D	292-3497
<u>Field Day</u>	Open		
<u>Health & Welfare</u>	Al Berg	WB7SIC	640-5456
<u>Newsletter</u>	Open		
<u>Project Night</u>	Dee Lynch	KA7NPN	646-4580
<u>Public Service</u>	Randy Stimson	KZ7T	297-1175
<u>Repeater</u>	Wes Allen	K7WWG	649-3295
<u>Satellites</u>	Red Robert	AA7CP	357-5747
<u>Scholarship</u>	Pat Griffiths	KA7UFG	649-0837
<u>Sea-Pac</u>	Randy Stimson	KZ7T	297-1175
<u>Technical</u>	Dee Lynch	KA7NPN	646-4580
<u>Testing</u>	Alan Roehl	KO7B	292-5243
<u>Training</u>	Open		
<u>Travelers</u>	Open		
<u>VHF / UHF</u>	Open		

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